Claims

1. A mobile communication device (11), comprising a multiplicity of modes of operation with different operational functions, body-related parameters of a user (10) and/or environmental parameters of the mobile
5   communication device (11) being able to be captured by the mobile communication device by means of sensors and/or measuring devices (12,...,18),

the mobile communication device (11) including a selection module for evaluating the body-related parameters of the user (10) and/or
10   environmental parameters of the mobile communication device (11), wherein

the mobile communication device (11) comprises an operational mode module for adapting the respective mode of operation of the mobile communication device (11) according to the evaluation data for the body-related parameters and/or environmental parameters.

15   2. The mobile communication device (11) according to claim 1, wherein a body-related parameter of the user (10) able to be captured by the mobile communication device by means of sensors (12, ..., 18) includes a cardiac rhythm and/or an adrenaline level and/or an oxygen content of the blood and/or a blood sugar content and/or a body position and/or a brain activity
20   and/or a type of movement and/or a direction of movement and/or a vocal activity and/or a pitch of the voice of the user (10) as body-related parameter.

3. The mobile communication device (11) according to one of the claims 1 to 2, wherein an environmental parameter for the environment of the mobile communication device (11) able to be captured by the mobile
25   communication device by means of sensors (12,...,18) includes a noise level and/or an air temperature and/or a light value for the surrounding area of the

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communication device (11).

4. The mobile communication device (11) according to one of the claims 1 to 3, wherein the mobile communication device (11) comprises a mobile radio device connectible to a communication network (20,21).

5. The mobile communication device (11) according to one of the claims 1 to 3, wherein the mobile communication device (11) comprises a play station connectible to a communication network (20,21).

6. The mobile communication device (11) according to one of the claims 1 to 5, wherein the mobile communication device (11) comprises an expert module, by means of which the selection of the mode of operation by the user (10) based on pattern recognition in dependence upon the body-related parameters of the user (10) and/or environmental parameters for the mobile communication device (11) is trainable.

7. The mobile communication device (11) according to claim 6, wherein the expert module comprises at least one neural network for pattern recognition.

8. The mobile communication device (11) according to one of the claims 1 to 7, wherein the selection module comprises a predefinable threshold for triggering alarm functions by means of the mobile communication device (11) for at least one body-related parameter and/or for at least one environmental parameter.

9. The mobile communication device (11) according to one of the claims 1 to 8, wherein the mobile communication device (11) comprises at least one sensor (12,...,18) able to be actuated by the user (10).

10. A method for controlling different modes of operation of a mobile

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communication device (11), different operational functions being controlled through the respective mode of operation of the mobile communication device (11), and body-related parameters of the user (10) and/or environmental parameters of the mobile communication device (11) being captured by the
5   mobile communication device by means of sensors (12,...,18), wherein

the determined body-related parameters of the user (10) and/or environmental parameters of the mobile communication device (11) are evaluated by means of a selection module, and

an operational mode module adapts the respective mode of
10   operation of the mobile communication device (11) based on the evaluation data for the body-related parameters and/or for the environmental parameters.

11. The method for controlling different modes of operation of a mobile communication device (11) according to claim 10, wherein the heart rhythm and/or the blood pressure and/or the adrenaline level and/or the oxygen
15   content of the blood and/or the blood sugar content and/or the body position and/or the brain activity and/or the type of movement and/or the direction of movement and/or the voice activity and/or the pitch of the voice of the user (10) is captured as body-related parameter by the mobile communication device (11) by means of at least one sensor (12,...,18).

20   12. The method for controlling different modes of operation of a mobile communication device (11) according to one of the claims 10 to 11, wherein the noise level and/or the air temperature and/or the light values of the surrounding area is captured as environmental parameter by the mobile communication device (11) by means of at least one sensor (12,...,18).

25   13. The method for controlling different modes of operation of a mobile communication device (11) according to one of the claims 10 to 12,

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wherein used as the mobile communication device (11) is a mobile radio device connectible to a communication network (20,21).

14. The method for controlling different modes of operation of a mobile communication device (11) according to one of the claims 10 to 12, wherein used as the mobile communication device (11) is a play station connectible to a communication network (20,21).

15. The method for controlling different modes of operation of a mobile communication device (11) according to one of the claims 10 to 14, wherein an expert module is trained by means of pattern recognition based on the selection of the mode of operation by the user (10) in dependence upon the body-related parameters of the user (10) and/or environmental parameters of the mobile communication device (11), and is used for control of the selection of the modes of operation.

16. The method for controlling different modes of operation of a mobile communication device (11) according to claim 15, wherein the expert module trains the pattern recognition using at least one neural network.

17. The method for controlling different modes of operation of a mobile communication device (11) according to one of the claims 10 to 16, wherein at least one threshold value is defined for one or more body-related parameters and/or for one or more environmental parameters, whereby upon reaching the threshold value, an alarm function is triggered by means of the selection module.

18. The method for controlling different modes of operation of a mobile communication device (11) according to one of the claims 10 to 17, wherein at least one sensor (12,...,18) is actuated by the user (10).

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